

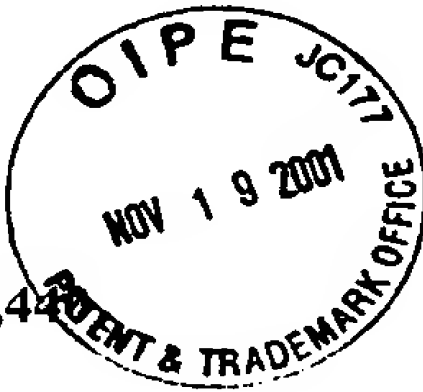
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

NAKAE *et al.*

Application Number: 09/527,440

Filed March 17, 2000



Art Unit 1631

Examiner J. Lundgren

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TECH CENTER 1600/2900

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

COVER LETTER

Sir:

[x] The fee for submission of additional claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS PAID	RATE	CALCULATION
Total Claims	20	-26	-XX (Over 20)	x \$18	0
Independent Claims	13	-14	-11 (Over 3)	x \$84	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$280	
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).				x ½	
				TOTAL	0.00

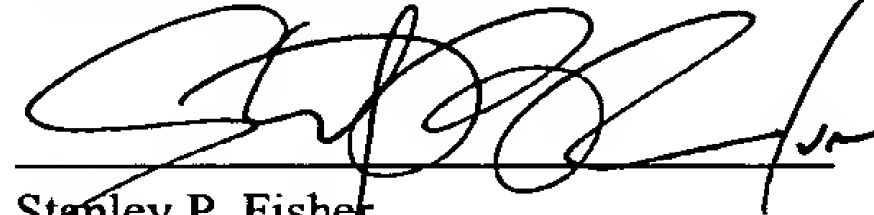
In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

[x] Response to Final Office Action
(with Claim Amendments)
[] Information Disclosure Statement
[] Preliminary Amendment
[] Substitute Specification
[] Other _____

[] Petition for Extension of Time
[] Terminal Disclaimer
[] Letter to Draftsperson
[] Assignment
[] Petition under _____
[] Small entity status

- [] Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____. A duplicate copy of this paper is enclosed.
- [] A check in the amount of \$ 0.00 to cover the fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,



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November 19, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
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NAKAE *et al.*)
)

Application Number: 09/527,440)
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Filed March 17, 2000)
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For: PRIMER DESIGN SYSTEM)
)

Art Unit 1631

Examiner J. Lundgren

#14/D
Plunkett
11/27/01

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

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RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.115

Sir:

This is in response to the office action dated August 17, 2001, in the above identified application, the period for response to which has been extended to expire on November 17, 2001. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE SPECIFICATION

Please substitute the paragraphs as indicated hereinbelow with the following replacement paragraphs:

On page 14, please substitute the sixth paragraph with the following:

FIG. 6 illustrates exon sequences selected from the sequence database 21, and partial sequences extracted from those exon sequences specific extraction conditions; specifically, exon 1 (SEQ ID NO: 1) and its extracted partial sequences (SEQ ID NO: 5 and 6), exon 2 (SEQ ID NO: 2) and its extracted partial sequences (SEQ ID NO: 7 and 8), exon 3 (SEQ ID NO: 3) and its extracted partial sequences (SEQ ID NO: 9 and 10), and exon 4 (SEQ ID NO: 4) and its extracted partial sequences (SEQ ID NO: 11 and 12);

On page 32, please substitute the first full paragraph with the following:

A relatively new sequence which had not been analyzed very much was selected from the sequence database for chromosome 21 publicly disclosed on the



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D1

D2